

STEREO MOC Status Report
Time Period: 2019:350 - 2019:356

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 353, during the DSS-24 support, the downlink receiver failed to lock at BOT, due to a software problem. The station added another downlink receiver at 0105z. This anomaly resulted in loss of real-time telemetry between 0100z and 0105z, including the loss of three minutes of SSR data. See DR #G120758 for more information.
- On day 355, during the DSS-14 support, the station lost link connection, resulting in the uplink services being delayed by ten minutes. This anomaly resulted in the loss of two minutes of real-time and SSR data. See DR #G120768 for more information.

2. The following spacecraft/instrument events occurred during this week. The Ahead observatory operated nominally during this week.

- On day 354 (Dec 20), The PLASTIC instrument encountered another problem during their reset recovery. The instrument team was unable to command high voltages due error flags in the IMPACT DPU. The team was unable to clear the flags, and the only course of action was to Power cycle the instrument and restart the recovery process over.
- On day 355, the SECCHI instrument reset at 00:06:41z. The SECCHI team reconfigured the instrument to operational mode by 355-0222z. This was the 57th reset of the SECCHI instrument on the Ahead observatory.
- On day 355 (Dec 21), the PLASTIC instrument was Powered cycled at 0157z and the error flags in the IMPACT DPU were cleared successfully. The Post Acceleration (PAC) Power Supply high voltage was stepped to -5kV and the PLASTIC team reported the PAC was nominal. The PLASTIC team will continue to monitor the PAC temperatures and currents, and they will start to gradually ramp up the high voltages on Monday (Dec 23).
- The average daily science data return for Ahead was 6.2 Gbits during this week.